

Title (en)
Brush-holder.

Title (de)
Bürstenhalter.

Title (fr)
Porte-balais.

Publication
EP 0684670 A3 19960410 (DE)

Application
EP 95107353 A 19950515

Priority
• DE 9408670 U 19940527
• DE 9413421 U 19940819

Abstract (en)
[origin: US5686775A] A brush holder for an electrical machine, and in particular a hammer brush holder, can include a carbon brush inserted with one of its ends provided with a brush shunt into a pot-shaped receptacle part of the brush holder. The carbon brush is retained in the receptacle part by means of clamping. A reliable clamping of the carbon brush is guaranteed by providing a scraper rib on at least one side wall of the receptacle part and designing it to ascend from the entry slot of the receptacle part toward its pot-like bottom with respect to its height and/or its width pointing into the receiving space of the receptacle part. The brush holder may be manufactured from plastic, and the carbon brush is inserted with a clamp locking force fit into a receiving opening of the brush holder. In order to be able to guarantee a secure fixed seating in any case in spite of the unavoidable tolerances in the case of mass production, at least one side wall of the insertion opening having a protruding scraper rib comes to rest against the carbon brush. The scraper rib is arranged or designed to make contact with the carbon brush in a way that allows lateral and/or vertical variation with increasing insertion depth of the carbon brush.

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H01R 39/38

IPC 8 full level
H01R 39/38 (2006.01); **H01R 39/39** (2006.01)

CPC (source: EP US)
H01R 39/38 (2013.01 - EP US); **H01R 39/39** (2013.01 - EP US)

Citation (search report)
• [A] US 4088912 A 19780509 - YOSHIDA MAKOTO
• [A] FR 2484721 A1 19811218 - BOSCH GMBH ROBERT [DE]
• [A] GB 2018044 A 19791010 - SIEMENS AG & DE 2814009 A1 19791004 - SIEMENS AG
• [A] EP 0586723 A1 19940316 - SIEMENS AG [DE]

Cited by
US5753994A; EP0791988A1; WO2005119846A1

Designated contracting state (EPC)
DE ES FR IT

DOCDB simple family (publication)
US 5686775 A 19971111; DE 59500121 D1 19970410; EP 0684670 A2 19951129; EP 0684670 A3 19960410; EP 0684670 B1 19970305; ES 2098988 T3 19970501

DOCDB simple family (application)
US 45182395 A 19950526; DE 59500121 T 19950515; EP 95107353 A 19950515; ES 95107353 T 19950515